

WHAT IS CLAIMED IS:

1. An information recording apparatus comprising:
first and second information recording units
configured to write and read data in a predetermined
5 amount of data units; and
a control section configured to perform a
switching control, such that when the data is being
written in the first information recording unit in the
predetermined amount of data units, in a state where a
10 preset condition relating to a recording operation is
not satisfied, the data in the predetermined amount of
data units to be written in the first information
recording unit is written in the second information
recording unit.
- 15 2. The information recording apparatus according
to claim 1, wherein the control section performs the
switching control, such that in a state where a time
for writing the data in the predetermined amount of
data units in the first information recording unit
20 exceeds a preset limit time, an operation of writing
data to the first information recording unit is
stopped, and the data in the predetermined amount of
data units to be written in the first information
recording unit is written in the second information
25 recording unit.
3. The information recording apparatus according
to claim 2, wherein when a time for writing the data in

the predetermined amount of data units in the second information recording unit exceeds a preset limit time, the control section provides a notification to that effect.

5 4. The information recording apparatus according to claim 2, wherein the control section performs the switching control, such that in a state where an operation of writing data in the predetermined amount of data units to the second information recording unit 10 is completed, data in a predetermined amount of data units following the data written in the second information recording unit is written in the first information recording unit.

15 5. The information recording apparatus according to claim 1, wherein the control section comprises a buffer to selectively supply data to the first and second information recording units, and the control section performs the switching control, such that when the data is being written in the first information recording unit in the predetermined amount of data units, in a state where an amount of data accumulated in the buffer exceeds a preset first limit value, an operation of writing data to the first information recording unit is stopped, and the data in the 20 predetermined amount of data units to be written in the first information recording unit is written in the second information recording unit.

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6. The information recording apparatus according
to claim 5, wherein the control section performs the
switching control, such that in a state where an amount
of data accumulated in the buffer decreases below a
5 preset second limit value, data in a predetermined
amount of data units following the data written in the
second information recording unit is written in the
first information recording unit.

7. The information recording apparatus according
10 to claim 4 or 6, wherein in a state where the operation
of writing data is switched from the second information
recording unit to the first information recording unit,
the control section sets a write start address in the
first information recording unit to a value equal to a
15 sum of an address at which the operation of writing
data to the first information recording unit is stopped
and an address corresponding to an amount of data
written in the second information recording unit.

8. The information recording apparatus according
20 to claim 2 or 5, wherein the control section copies
data written in the second information recording unit
to the first information recording unit and deletes the
copied data from the second information recording unit.

9. The information recording apparatus according
25 to claim 1, wherein the control section performs the
switching control, such that in a state where a number
of retries for writing the data in the predetermined

amount of data units in the first information recording unit exceeds a preset limit number, an operation of writing data to the first information recording unit is stopped and the data in the predetermined amount of 5 data units to be written in the first information recording unit is written in the second information recording unit.

10. An information recording apparatus comprising:
a first information recording unit configured to write and read data in and from a first recording medium in a predetermined amount of data units;

15 a second information recording unit configured to write and read data in and from a second recording medium in a predetermined amount of data units;

20 a detecting section configured to detect a state where a preset condition relating to a recording operation is not satisfied, when the data in the predetermined amount of data units is being written in the first recording medium in the first information recording unit; and

25 a control section configured to perform a switching control based on detection result of the detecting section such that the data in the predetermined amount of data units, which is to be written in the first recording medium in the first information recording unit, is written in the second recording medium in the second information recording unit.

11. The information recording apparatus according to claim 10, wherein:

the detecting section detects that a time for writing the data in the predetermined amount of data units in the first recording medium in the first information recording unit exceeds a preset limit time; and

the control section stops an operation of writing data in the first recording medium in the first information recording unit based on the detection result in the detecting section, and performs the switching control such that the data in the predetermined amount of data units, which is to be written in the first recording medium in the first information recording unit, is written in the second recording medium in the second information recording unit.

12. The information recording apparatus according to claim 11, wherein the control section performs the switching control, such that in a state where an operation of writing data in the predetermined amount of data units in the second recording medium in the second information recording unit is completed, data in a predetermined amount of data units following the data written in the second recording medium in the second information recording unit is written in the first recording medium in the first information recording

unit.

13. The information recording apparatus according to claim 10, wherein:

the control section comprises a buffer to
5 selectively supply data to the first and second
information recording units;

the detection section detects that an amount of
data accumulated in the buffer exceeds a preset first
limit value, when the data in the predetermined amount
10 of data units is being written in the first recording
medium in the first information recording unit; and

the control section stops an operation of writing
data in the first recording medium in the first
information recording unit based on the detection
15 result in the detecting section, and performs the
switching control such that the data in the
predetermined amount of data units, which is to be
written in the first recording medium in the first
information recording unit, is written in the second
20 recording medium in the second information recording
unit.

14. The information recording apparatus according
to claim 13, wherein the control section performs the
switching control, such that in a state where an amount
25 of data accumulated in the buffer decreases below a
preset second limit value, data in a predetermined
amount of data units following the data written in the

second recording medium in the second information recording unit is written in the first recording medium in the first information recording unit.

15. An information recording method comprising:

5 detecting that a preset condition relating to a recording operation is not satisfied, when data is being written in a first information recording unit in a predetermined amount of data units; and

10 performing a switching control based on a detection result, such that data in the predetermined amount of data units to be written in the first information recording unit is written in a second information recording unit.

15 16. The information recording method according to claim 15, wherein the detecting that a preset condition relating to a recording operation is not satisfied is detecting a time for writing the data in the predetermined amount of data units in the first information recording unit exceeds a preset limit time.

20 17. The information recording method according to claim 16, further comprising, when a time for writing the data in the predetermined amount of data units in the second information recording unit exceeds a preset limit time, providing a notification to that effect.

25 18. The information recording method according to claim 16, further comprising performing a switching control, such that in a state where an operation of

writing data in the predetermined amount of data units to the second information recording unit is completed, data in a predetermined amount of data units following the data written in the second information recording 5 unit is written in the first information recording unit.

19. The information recording method according to claim 18, further comprising setting a write start address in the first information recording unit to a 10 value equal to a sum of an address at which the operation of writing data to the first information recording unit is stopped and an address corresponding to an amount of data written in the second information recording unit, in a state where the operation of 15 writing data is switched from the second information recording unit to the first information recording unit.

20. The information recording method according to claim 16, further comprising copying data written in the second information recording unit to the first 20 information recording unit and deleting the copied data from the second information recording unit.